



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

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(603) 271-2457 FAX (603) 271-7894



Mr. Daniel Trahan  
Partridge House  
777 Lafayette Rd  
Hampton, New Hampshire 03842

LETTER OF DEFICIENCY  
WMB PBF 02-70  
October 14, 2002

Dear Mr. Trahan:

The Department of Environmental Services, Water Division ("DES") is required by RSA 485-A:26 to operate a program to ensure the health and safety of the public when using public bathing facilities such as pools and spas. To implement this program, DES has adopted administrative rules Env-Ws 1101-1105 to specify the design, operation, and maintenance requirements for public bathing facilities. DES reviews applications for new public bathing facilities and also inspects and tests the water in existing public bathing facilities to ensure that applicable requirements are being met.

On October 10, 2002, DES inspected the following public bathing facilities at the Partridge House, in Hampton, NH: the indoor pool ("Pool") and spa ("Spa"). During this inspection, the following deficiencies were noted:

A recommendation to close and drain the Spa was issued on October 10, 2002. The inspection on October 10, 2002 revealed that the Spa was in violation of Env-Ws 1103.14 and unsafe for public use. The following bacterial violation was observed in the Spa water:

- a. Pursuant to Env-Ws 1103.14(a)(2) the maximum allowable Heterotrophic Plate Count (HPC) in public bathing facility water is five hundred colony-forming units per one milliliter (500 cfu/mL). The Spa water contained greater than 50,000 cfu/mL.

Env-Ws 1103.16(e) requires a bromine concentration between 2.0 mg/L and 5.0 mg/L in public spa water, with an absolute maximum of 10 mg/L bromine. The bromine concentration of the Spa water was less than 0.1 mg/L on October 10, 2002.

Env-Ws 1103.16(f) requires a pH between 7.0 and 7.8 in public spa water. The pH of the Spa water was 8.6 on October 10, 2002.

4. Env-Ws 1103.15(c) requires a bromine concentration between 2.0 mg/L and 4.0 mg/L in public pool water. The bromine concentration of the Pool water was 13.5 mg/L on October 10, 2002.

Env-Ws 1104.01 requires the operator to test public bathing facility water for disinfectant residual, pH, and temperature prior to use of a public bathing facility and every 4 hours during operation, to record test results on a dated daily log sheet, and to maintain operational records for the previous twelve months and make these records available to DES and patrons of the public bathing facility upon request. The water quality for the Pool and Spa had not been tested in six days.

6. Env-Ws 1105.01(k)(19) requires pool filtration systems to include a flow meter. The filtration system for the Pool did not include a functioning flow meter.
7. Env-Ws 1105.03(d)(2) requires spa filtration systems to include a flow meter. The filtration system for the Spa did not include a functioning flow meter.

A report outlining how compliance will be achieved with the cited deficiencies should be submitted to DES within 30 calendar days from receipt of this letter. The report should include the following:

A copy of two weeks of water quality test results for all facilities (please do not send originals).

The type, manufacture, and model of the flow meter(s) to be installed.


A timetable of when the installation of the flow meter(s) will be completed.

DES personnel will conduct another inspection at a later date to determine whether you have come into, and are maintaining, full compliance with RSA 485-A:26 and Env-Ws 1101-1105. After a violation of

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Env-Ws 1103.14, the facility will be required to pass two inspections in the following months. In the event that compliance is not achieved, DES may take further action, including seeking an administrative fine up to \$2,000 for each offense or referring the case to the NH Attorney General's Office for judicial action.

We appreciate your cooperation in this matter. Please contact Amy Wilson at (603) 271-7108 if you have any questions regarding this letter. Copies of Env-Ws 1101-1105 are available through the DES Public Information Center at (603) 271-2975 or via the Internet at <http://www.des.state.nh.us/pools/env1100.pdf>.

Sincerely,  
  
Jody Connor  
Limnology Center Director

Enclosures  
Certified Mail #

cc: Mark Harbaugh, Enforcement Attorney, DES  
Amy Wilson, Public Bathing Facility Coordinator, DES  
Kevin Schultz, Health Officer, Town of Hampton

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